RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/588,449_

Source: _1FWP_

Date Processed by STIC: _8/15/06_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/588,449_   CRF Edit Date: _8/15/06_
                                     Edited by: _____

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence
text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID
NO's edited:

_____

_✓_ Deleted: _/_ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

```
            RAW SEQUENCE LISTING              DATE: 08/15/2006
            PATENT APPLICATION:  US/10/588,449     TIME: 16:51:58

            Input Set : A:\PTO.AMC.txt
            Output Set: N:\CRF4\08152006\J588449.raw
```

```
     3 <110> APPLICANT: Lundquist, Henrik
     4        Spendler, Tina
     5        Hoff, Tine
     7 <120> TITLE OF INVENTION: Preparation of Dough-Based Product
     9 <130> FILE REFERENCE: 10581-204-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/588,449
C--> 11 <141> CURRENT FILING DATE: 2006-08-03
    11 <160> NUMBER OF SEQ ID NOS: 4
    13 <170> SOFTWARE: PatentIn version 3.3
    15 <210> SEQ ID NO: 1
    16 <211> LENGTH: 781
    17 <212> TYPE: DNA
    18 <213> ORGANISM: Bacillus halodurans
    21 <220> FEATURE:
    22 <221> NAME/KEY: CDS
    23 <222> LOCATION: (58)..(687)
    25 <220> FEATURE:
    26 <221> NAME/KEY: sig_peptide
    27 <222> LOCATION: (58)..(141)
    29 <220> FEATURE:
    30 <221> NAME/KEY: mat_peptide
    31 <222> LOCATION: (142)..(687)
    33 <400> SEQUENCE: 1
    34 aatcgacaac aaacgtgtaa ataagtagta cgataaaaat tttgaggagg acgaatc          57
    36 atg ttt aag ttc gtt acg aaa gtt ttg acg gta gta att gca gct aca     105
    37 Met Phe Lys Phe Val Thr Lys Val Leu Thr Val Val Ile Ala Ala Thr
    38             -25                 -20                 -15
    40 att agt ttt tgt ttg agt gca gta ccg gca agt gct aat acc tat tgg     153
    41 Ile Ser Phe Cys Leu Ser Ala Val Pro Ala Ser Ala Asn Thr Tyr Trp
    42         -10                 -5                  -1  1
    44 caa tat tgg acc gat ggt ggt gga aca gta aat gct aca aat gga cct     201
    45 Gln Tyr Trp Thr Asp Gly Gly Gly Thr Val Asn Ala Thr Asn Gly Pro
    46 5                   10                  15                  20
    48 ggt gga aat tac agt gtg aca tgg aga gat aca ggg aac ttt gtt gtc     249
    49 Gly Gly Asn Tyr Ser Val Thr Trp Arg Asp Thr Gly Asn Phe Val Val
    50                 25                  30                  35
    52 ggt aaa ggc tgg gaa atc ggt tca cca aat cga acg atc cat tac aat     297
    53 Gly Lys Gly Trp Glu Ile Gly Ser Pro Asn Arg Thr Ile His Tyr Asn
    54             40                  45                  50
    56 gct ggt gtc tgg gaa ccg tct gga aat gga tat ttg act ctc tat ggg     345
    57 Ala Gly Val Trp Glu Pro Ser Gly Asn Gly Tyr Leu Thr Leu Tyr Gly
    58         55                  60                  65
    60 tgg aca agg aat cag ctc ata gaa tat tat gtc gtt gat aat tgg gga     393
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RAW SEQUENCE LISTING   DATE: 08/15/2006
PATENT APPLICATION: US/10/588,449   TIME: 16:51:58

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08152006\J588449.raw**

```
61 Trp Thr Arg Asn Gln Leu Ile Glu Tyr Tyr Val Val Asp Asn Trp Gly
62     70                  75                  80
64 act tac aga cct act gga acc cat cga ggc acc gtt gtc agt gat ggg      441
65 Thr Tyr Arg Pro Thr Gly Thr His Arg Gly Thr Val Val Ser Asp Gly
66 85                  90                  95                  100
68 gga aca tat gac atc tat acg act atg cga tac aat gca cct tcc att      489
69 Gly Thr Tyr Asp Ile Tyr Thr Thr Met Arg Tyr Asn Ala Pro Ser Ile
70                  105                 110                 115
72 gat ggg aca caa acg ttc caa cag ttc tgg agt gtg agg caa tcg aag      537
73 Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys
74                  120                 125                 130
76 aga ccg act gga aat aac gtt agc att acg ttt agc aac cac gtg aat      585
77 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn
78                  135                 140                 145
80 gcg tgg aga aat gca gga atg aat ctg gga agt agt tgg tct tac cag      633
81 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln
82     150                 155                 160
84 gta tta gca aca gaa ggc tat caa agt agc ggg aga tcg aat gta acg      681
85 Val Leu Ala Thr Glu Gly Tyr Gln Ser Ser Gly Arg Ser Asn Val Thr
86 165                 170                 175                 180
88 gtt tgg tagaacgaga aagacggaat taactttctg aatatttaaa aacaaatcta      737
89 Val Trp
92 ttgttgtgac gaacttaaga tttactcatt aagaagaatg aagc                    781
95 <210> SEQ ID NO: 2
96 <211> LENGTH: 210
97 <212> TYPE: PRT
98 <213> ORGANISM: Bacillus halodurans
100 <400> SEQUENCE: 2
102 Met Phe Lys Phe Val Thr Lys Val Leu Thr Val Val Ile Ala Ala Thr
103             -25                 -20                 -15
106 Ile Ser Phe Cys Leu Ser Ala Val Pro Ala Ser Ala Asn Thr Tyr Trp
107         -10                  -5                 -1  1
110 Gln Tyr Trp Thr Asp Gly Gly Gly Thr Val Asn Ala Thr Asn Gly Pro
111 5                   10                  15                  20
114 Gly Gly Asn Tyr Ser Val Thr Trp Arg Asp Thr Gly Asn Phe Val Val
115                 25                  30                  35
118 Gly Lys Gly Trp Glu Ile Gly Ser Pro Asn Arg Thr Ile His Tyr Asn
119                 40                  45                  50
122 Ala Gly Val Trp Glu Pro Ser Gly Asn Gly Tyr Leu Thr Leu Tyr Gly
123         55                  60                  65
126 Trp Thr Arg Asn Gln Leu Ile Glu Tyr Tyr Val Val Asp Asn Trp Gly
127     70                  75                  80
130 Thr Tyr Arg Pro Thr Gly Thr His Arg Gly Thr Val Val Ser Asp Gly
131 85                  90                  95                  100
134 Gly Thr Tyr Asp Ile Tyr Thr Thr Met Arg Tyr Asn Ala Pro Ser Ile
135                 105                 110                 115
138 Asp Gly Thr Gln Thr Phe Gln Gln Phe Trp Ser Val Arg Gln Ser Lys
139                 120                 125                 130
142 Arg Pro Thr Gly Asn Asn Val Ser Ile Thr Phe Ser Asn His Val Asn
```

```
143         135              140              145
146 Ala Trp Arg Asn Ala Gly Met Asn Leu Gly Ser Ser Trp Ser Tyr Gln
147     150              155              160
150 Val Leu Ala Thr Glu Gly Tyr Gln Ser Ser Gly Arg Ser Asn Val Thr
151 165              170              175              180
154 Val Trp
158 <210> SEQ ID NO: 3
159 <211> LENGTH: 47
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Primer 1
167 <220> FEATURE:
168 <221> NAME/KEY: source
169 <222> LOCATION: (19)..(47)
170 <223> OTHER INFORMATION: B. halodurans
172 <400> SEQUENCE: 3
173 cattctgcag ccgcggccaa tacctattgg caatattgga ccgatgg              47
176 <210> SEQ ID NO: 4
177 <211> LENGTH: 51
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Primer 2
185 <220> FEATURE:
186 <221> NAME/KEY: source
187 <222> LOCATION: (21)..(51)
188 <223> OTHER INFORMATION: B. halodurans
190 <400> SEQUENCE: 4
191 gcgttgagac gcgcggccgc cattcttctt aatgagtaaa tcttaagttc g          51
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RAW SEQUENCE LISTING ERROR SUMMARY        DATE: 08/15/2006
PATENT APPLICATION:  US/10/588,449        TIME: 16:51:59

Input Set  : A:\PTO.AMC.txt
Output Set: N:\CRF4\08152006\J588449.raw
```

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY   DATE: 08/15/2006
PATENT APPLICATION: **US/10/588,449**   TIME: 16:51:59

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\08152006\J588449.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)

IFWP

RAW SEQUENCE LISTING   DATE: 08/11/2006
PATENT APPLICATION: US/10/588,449   TIME: 11:04:32

      Input Set : **A:\01-SQ Listing-11 Aug 2006.txt**
      Output Set: **N:\CRF4\08112006\J588449.raw**

```
      3 <110> APPLICANT: Lundquist, Henrik
      4         Spendler, Tina
      5         Hoff, Tine
      7 <120> TITLE OF INVENTION: Preparation of Dough-Based Product
      9 <130> FILE REFERENCE: 10581-204-US
C-->  11 <140> CURRENT APPLICATION NUMBER: US/10/588,449
C-->  11 <141> CURRENT FILING DATE: 2006-08-03
     11 <160> NUMBER OF SEQ ID NOS: 4
     13 <170> SOFTWARE: PatentIn version 3.3
```

ERRORED SEQUENCES

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    176 <210> SEQ ID NO: 4
    177 <211> LENGTH: 51
    178 <212> TYPE: DNA
    179 <213> ORGANISM: Artificial
    181 <220> FEATURE:
    182 <223> OTHER INFORMATION: Primer 2
    185 <220> FEATURE:
    186 <221> NAME/KEY: source
    187 <222> LOCATION: (21)..(51)
    188 <223> OTHER INFORMATION: B. halodurans
    190 <400> SEQUENCE: 4
    191 gcgttgagac gcgcggccgc cattcttctt aatgagtaaa tcttaagttc g        51
E-->197 (4)
```

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/11/2006
PATENT APPLICATION: US/10/588,449   TIME: 11:04:33

Input Set : A:\01-SQ Listing-11 Aug 2006.txt
Output Set: N:\CRF4\08112006\J588449.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4

VERIFICATION SUMMARY   DATE: 08/11/2006
PATENT APPLICATION: **US/10/588,449**   TIME: 11:04:33

Input Set : **A:\01-SQ Listing-11 Aug 2006.txt**
Output Set: **N:\CRF4\08112006\J588449.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:197 M:254 E: No. of Bases conflict, this line has no nucleotides.